

ABSTRACT OF THE DISCLOSURE

The invention consists in a capacitative electromagnetic flow meter in which excitation is performed at a frequency above the commercially available frequency and having a characteristic correction filter that corrects the gain
5 frequency characteristic of the exciting current such that the exciting flux waveform has a flat section. In the detection unit, the value of the electrostatic capacitance between the face electrodes 4A, 4B and guard electrodes 5A,
10 5B is made smaller than the value of the electrostatic capacitance between the detecting face electrodes 4A, 4B and the fluid to be measured. The exciting coils are fixed to a cylindrical yoke, being electrostatically screened by coil fixing plates. Fixing by an earth ring is performed with
15 this cylindrical yoke and the two ends of the measurement tube being symmetrical with respect to the tube axis and electrode axes. In addition, fixing is effected by filling the entire interior of the detection unit with epoxy resin.